

GEOMETRY UNIT 8 WORKSHEET #6 REVIEW 8.1-8.3**TARGETS A & B**

Find the following for each regular polygon A) Sum of Interior Angles, B) One Interior Angle, C) Sum of Exterior Angles, & D) One Exterior Angle.

1. Nonagon

A. Sum Int. = _____

B. One Int. = _____

C. Sum Ext. = _____

D. One Ext. = _____

2. 18-gon

A. Sum Int. = _____

B. One Int. = _____

C. Sum Ext. = _____

D. One Ext. = _____

Find the number of sides for a polygon given the sum of its interior angles.

3. 900

sides = _____

4. 1800

sides = _____

5. 3600

sides = _____

Find the number of sides for a regular polygon given one exterior angle.

6. 36

sides = _____

7. 24

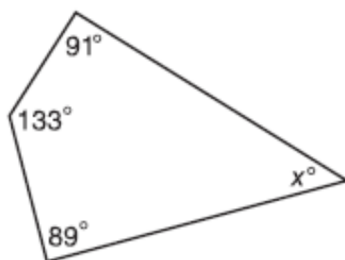
sides = _____

8. 20

sides = _____

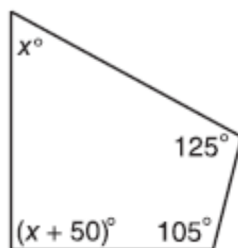
Solve for x.

9.



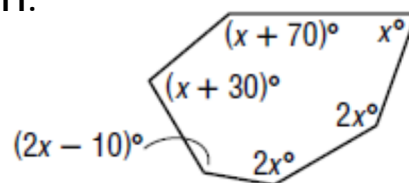
x = _____

10.



x = _____

11.

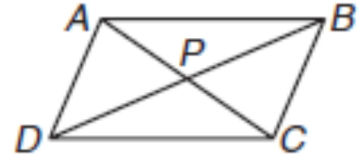


x = _____

TARGET C

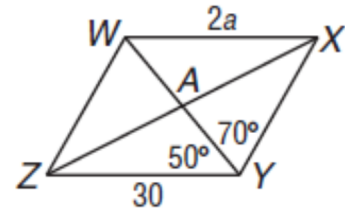
Complete each statement if $ABCD$ is a parallelogram.

12. $\overline{AB} \parallel$ _____ 13. $\overline{BC} \cong$ _____
 14. $\overline{AP} \cong$ _____ 15. $\angle ABC \cong$ _____
 16. $\angle ADC +$ _____ $= 180^\circ$



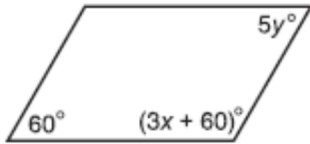
Solve for the following given $WXYZ$ is a parallelogram.

17. a 18. $\angle ZWX$
 19. $\angle YXW$ 20. $\angle YWX$

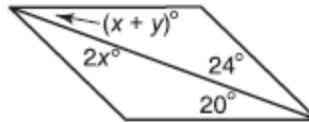


Solve for the variables for each parallelogram.

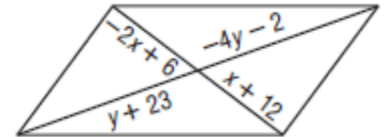
21.



22.



23.



$x =$ _____ $y =$ _____

$x =$ _____ $y =$ _____

$x =$ _____ $y =$ _____

TARGET D

Are the following parallelograms? Explain why or why not.

24.



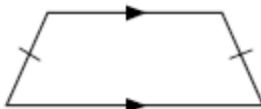
yes or no _____

25.



yes or no _____

26.



yes or no _____